

Listing of the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

1-36. (Canceled)

37. (Currently amended) A clone collection, comprising:

~~a plurality of~~ from about 50 to about 100,000 clones, each clone comprising a nucleic acid sequence of interest, wherein the nucleic acid sequences of interest further comprise suppressible stop codons and ~~encode all or substantially all known polypeptides having a specified activity.~~

38. (Currently amended) The clone collection of claim 37, wherein the polypeptides are a drugable target ~~specified activity is an enzymatic activity.~~

39. (Currently amended) The clone collection of claim ~~37~~ 38, wherein the polypeptides are selected from the group consisting of kinases, phosphatases, G-protein-coupled receptors, ion channels, proteases, nuclear receptors, secretory proteins, growth factors, cytokines, chemokines, membrane transporters, chemokine receptors, and integrins ~~activity is a kinase activity.~~

40. (Currently amended) The clone collection of claim ~~39~~ 37, wherein the polypeptides ~~activity is a~~ are ~~G-protein-coupled receptors~~ activity.

41. (Canceled)

42. (Currently amended) The clone collection of claim 37, wherein the nucleic acid sequences of interest comprise a tag sequence and the ~~a~~ suppressible stop codon is located between the tag sequence and the encoded polypeptide.

43. (Original) The clone collection of claim 37, wherein the nucleic acid sequences of interest are flanked by a first and a second recombination site and the first and the second recombination sites do not recombine with each other.

44. (New) The clone collection of claim 39, wherein the polypeptides are kinases.

45. (New) The clone collection of claim 42, wherein the suppressible stop codon is in-frame with the sequence of interest.

46. (New) A clone collection, comprising:

from about 50 to about 100,000 clones, each clone comprising in order, a nucleic acid sequence of interest, a suppressible stop codon and a tag sequence wherein the nucleic acid sequence of interest encodes a polypeptide.